

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An organic electroluminescent device, comprising:

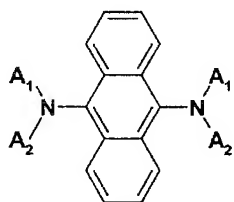
a substrate;

first and second electrodes formed on the substrate; and

a light-emitting layer formed between the first electrode and the second electrode,

the light-emitting layer containing a green luminescent material represented by using a chemical formula 1 as a dopant:

[Chemical formula 1]



wherein, A1 and A2 are selected from a substituted or non-substituted aromatic group, a substituted or non-substituted heterocyclic group,

wherein the light-emitting layer further contains a host material represented by a chemical formula 2:

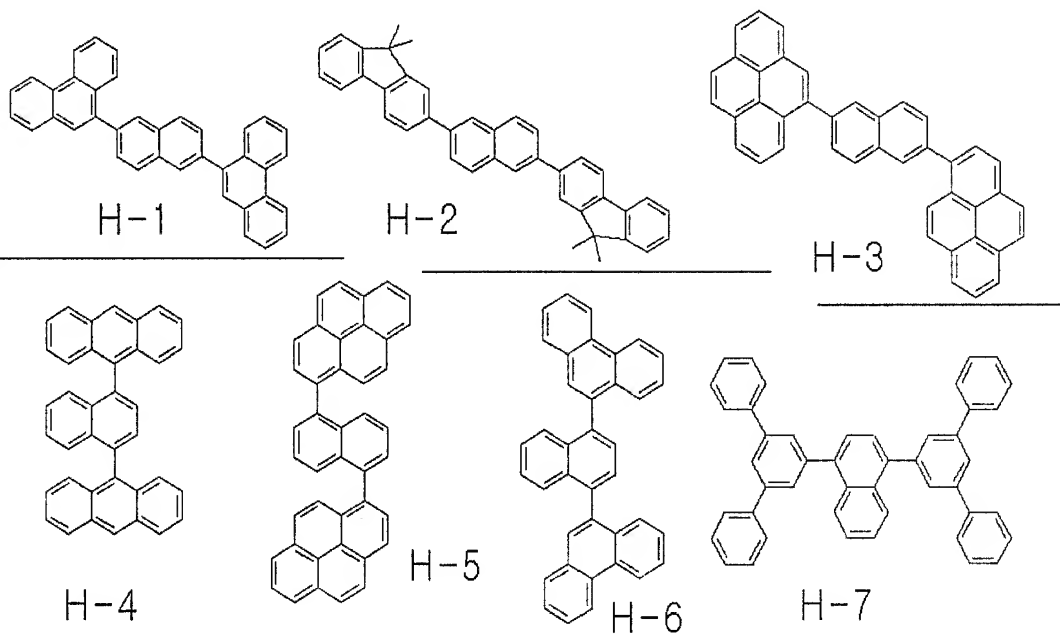
Amendment dated **December 18, 2007**Reply to Office Action of **September 20, 2007**

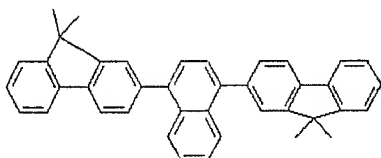
[Chemical formula 2]

B1-X-B2

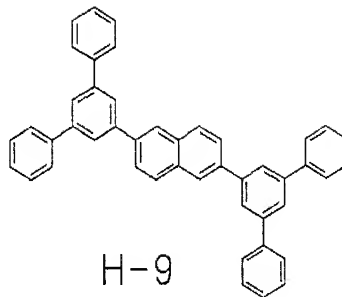
wherein the X is selected from the group consisting of anthracene, and pyrene and B1 and B2 are individually selected from a group consisting of aryl, ~~except phenyl~~, pyridyl, quinolyl, and isoquinolyl.

wherein the host material is one of following formulas:

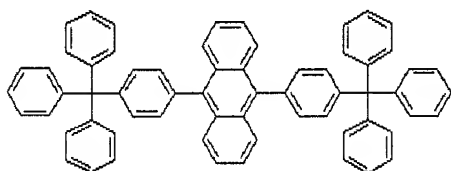




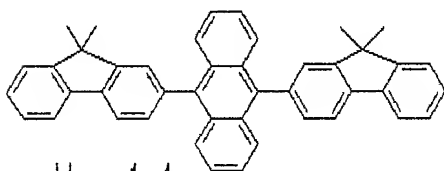
H-8



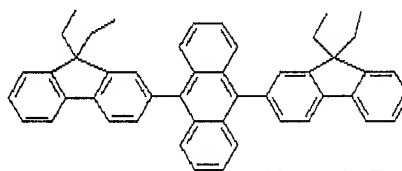
H-9



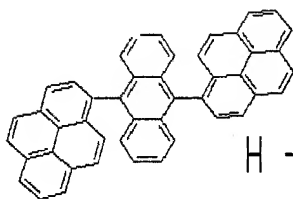
H - 12



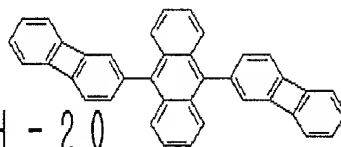
H - 14



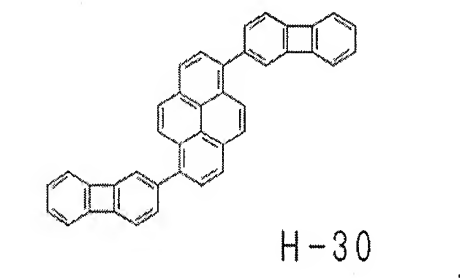
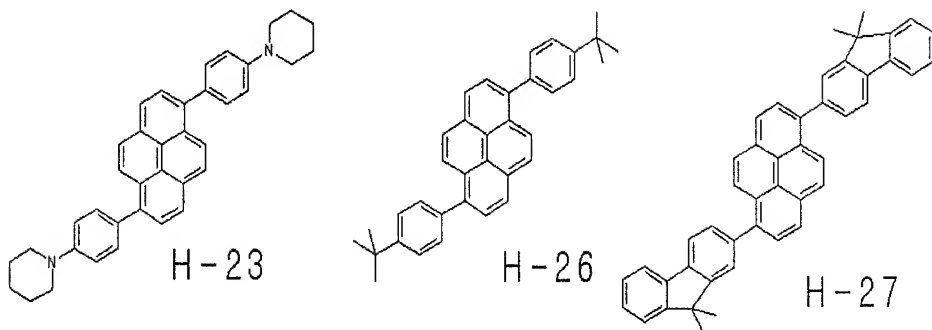
H - 15



H - 19



H - 20



2. (Previously Presented) The organic electroluminescent device of claim 1, wherein wt. % of the material of the chemical formula 1 is 0.1 - 49.9wt.% of a total weight of the light-emitting layer.

3. (Canceled).

4. (Previously Presented) The organic electroluminescent device of claim 1, wherein the B1 and B2 are selected from the group consisting of pyridyl, naphthyl, phenanthryl, quinolyl, isoquinolyl, and fluorenyl.

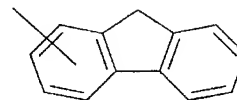
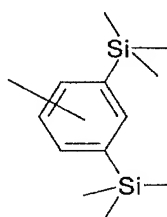
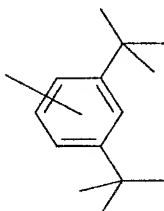
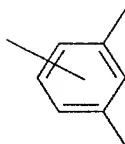
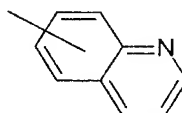
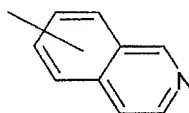
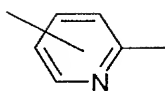
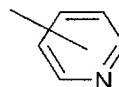
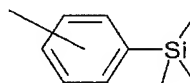
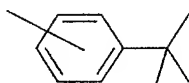
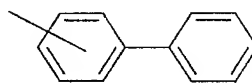
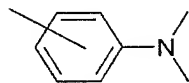
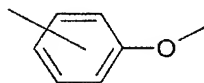
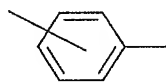
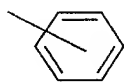
5. (Canceled).

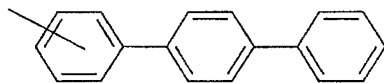
6. (Previously Presented) The organic electroluminescent device of claim 1, wherein at least one of the A1 and A2 is selected from phenyl, biphenyl, pyridyl, naphthyl, quinolyl, isoquinolyl, fluorenyl, terphenyl, methyl, ethyl, propyl, i-propyl, and t-butyl.

7. (Previously Amended) The organic electroluminescent device of claim 1, wherein a substituent of each substituted A1 and A2 is at least one selected from the group consisting of alkyl, aryl, alkoxy, alkylamino, halogen, aryloxy, arylamino, alkylsilyl, arylsilyl and hydrogen.

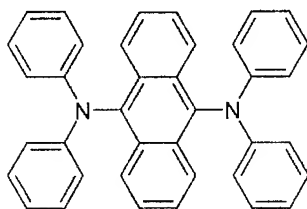
8. (Previously Presented) The organic electroluminescent device of claim 7, wherein the substituent is one selected from methyl, ethyl, propyl, i-propyl, t-butyl, cyclohexyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, trimethylsilyl, fluorine, chlorine, phenoxy, tolyloxy, dimethylamino, diethylamino, diphenylamino, and triphenylsilyl.

9. (Previously Presented) The organic electroluminescent device of claim 1, wherein one of the A1 and A2 is one of following chemical formulas:

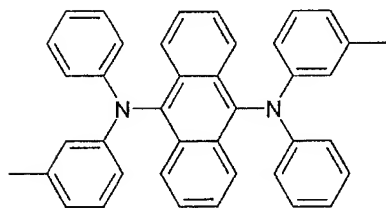




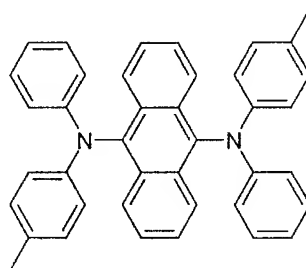
10. (Previously Presented) The organic electroluminescent device of claim 1, wherein the green luminescent material is at least one of following chemical formulas:



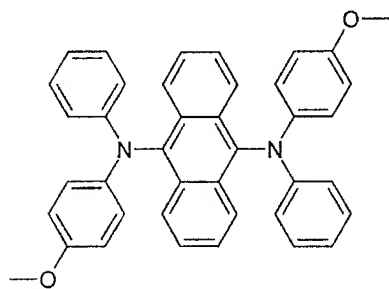
G-2



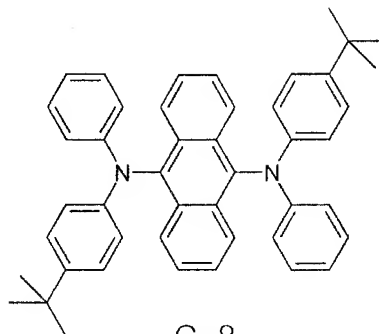
G-3



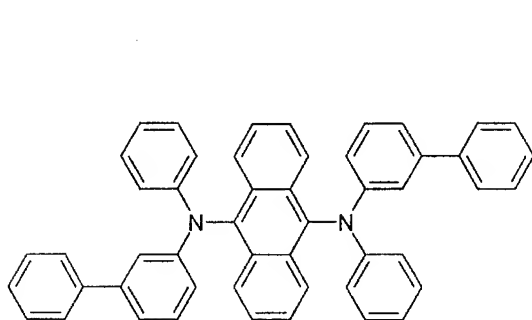
G-4



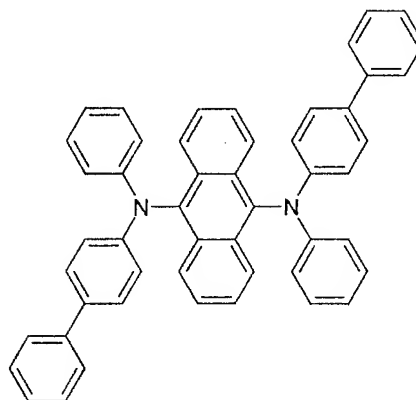
G-7



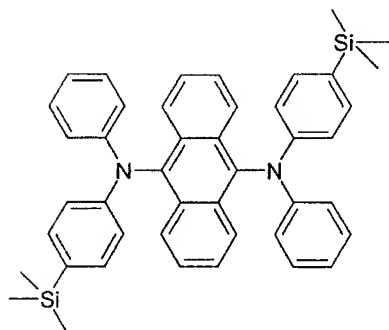
G-8



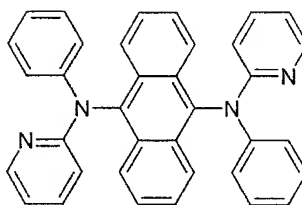
G-10



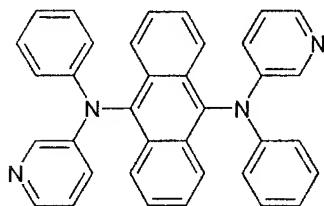
G-11



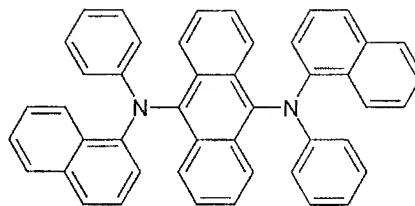
G-13



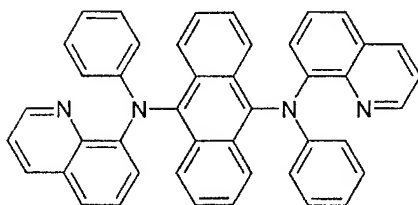
G-14



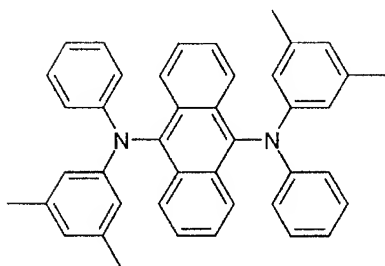
G-15



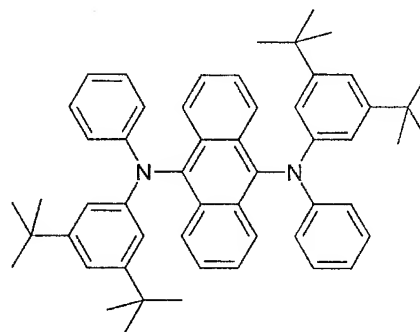
G-16



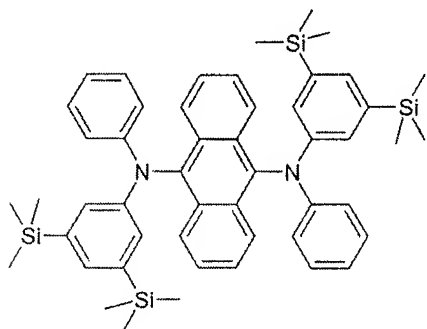
G-18



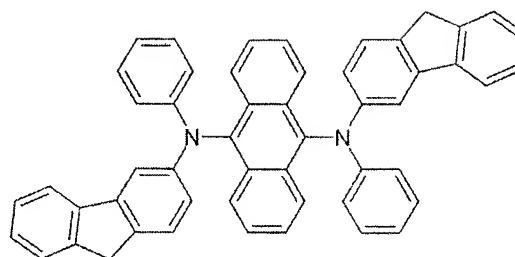
G-19



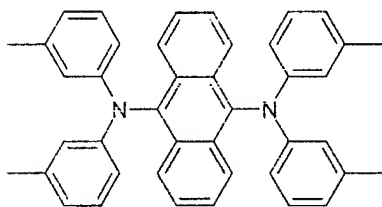
G-20



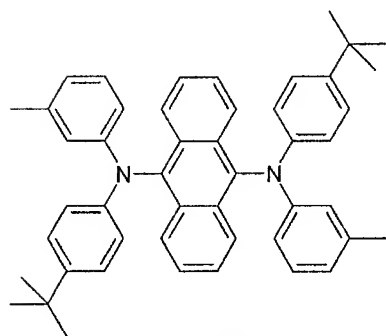
G-21



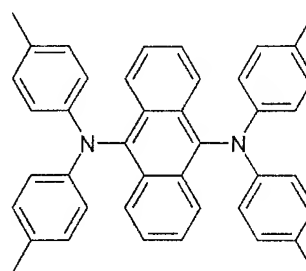
G-22



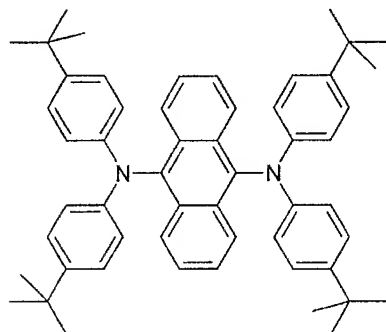
G-24



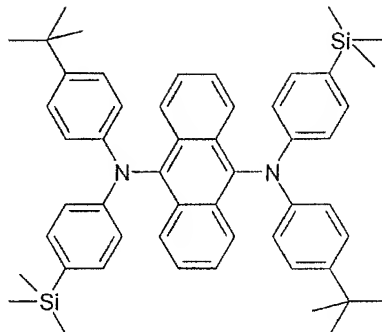
G-25



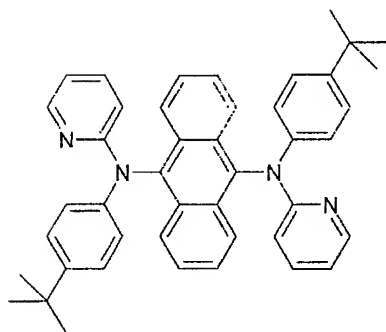
G-26



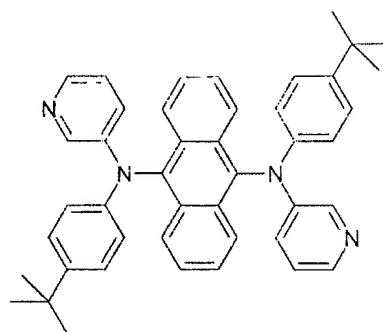
G-27



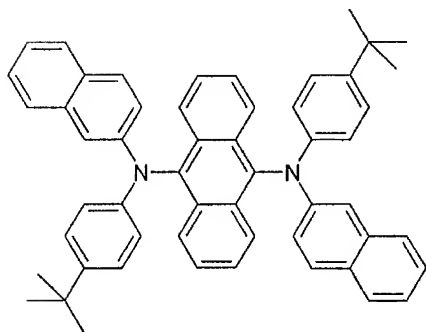
G-28



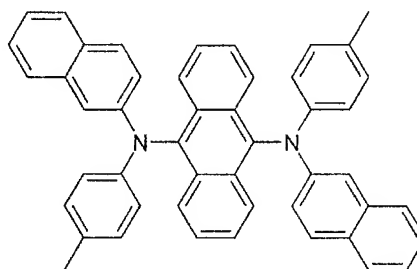
G-29



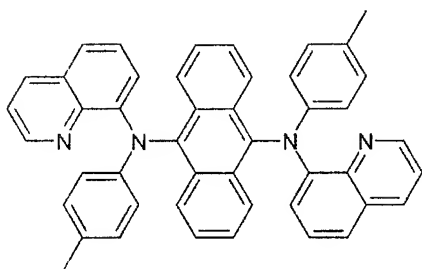
G-30



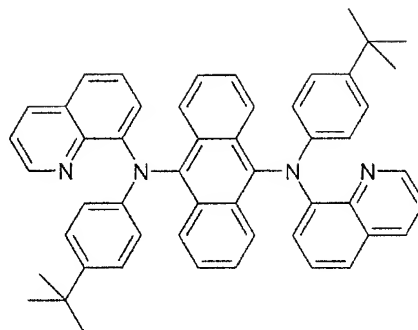
G-31



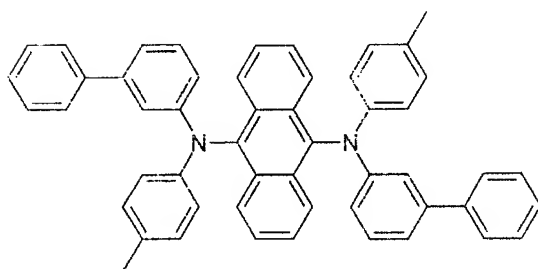
G-32



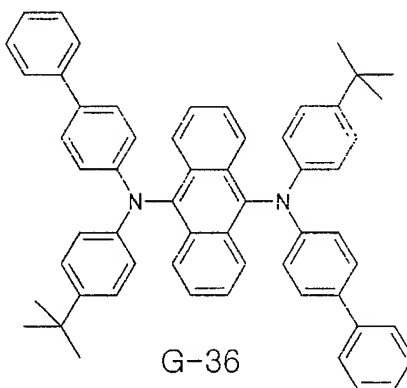
G-33



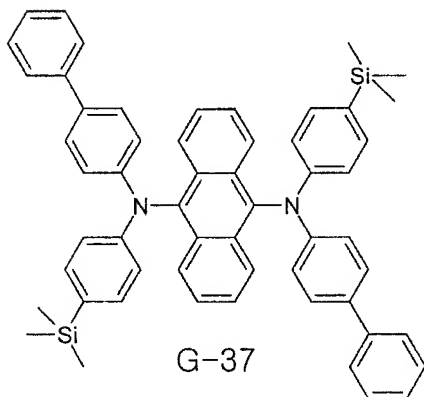
G-34



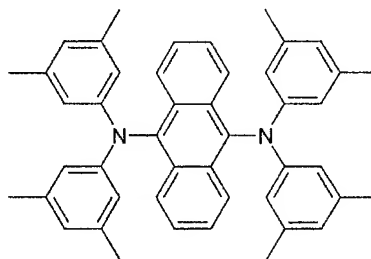
G-35



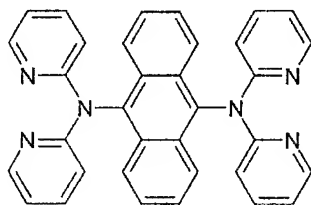
G-36



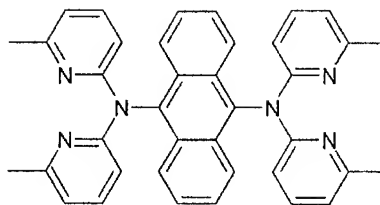
G-37



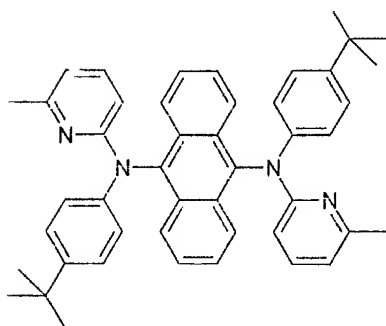
G-38



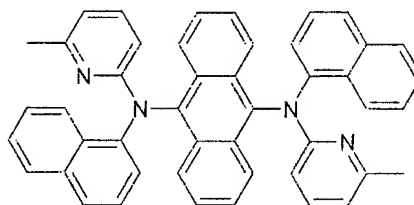
G-39



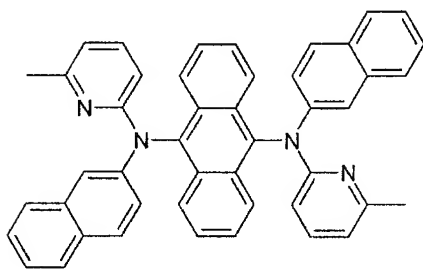
S-40



G-41



G-42



G-43

Amendment dated **December 18, 2007**Reply to Office Action of **September 20, 2007**

11. (New) An organic electroluminescent device, comprising:

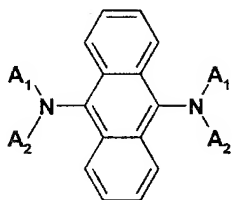
a substrate;

first and second electrodes formed on the substrate; and

a light-emitting layer formed between the first electrode and the second electrode,

the light-emitting layer containing a green luminescent material represented by using a chemical formula 1 as a dopant:

[Chemical formula 1]



wherein, A1 and A2 are selected from a substituted or non-substituted aromatic group, a substituted or non-substituted heterocyclic group,

wherein the light-emitting layer further contains a host material represented by a chemical formula 2:

[Chemical formula 2]

B1-X-B2

wherein the X is selected from the group consisting of anthracene, and pyrene and B1 and B2 are individually selected from a group consisting of aryl, pyridyl, quinolyl, and isoquinolyl;

wherein a substituent of each substituted A1 and A2 is at least one selected from the group consisting of alkyl, aryl, alkoxy, alkylamino, halogen, aryloxy, arylamino, alkylsilyl, arylsilyl and hydrogen; and

wherein the substituent is one selected from methyl, ethyl, propyl, i-propyl, t-butyl, cyclohexyl, methoxy, ethoxy, propoxy, butoxy, dimethylamino, trimethylsilyl, fluorine, chlorine, phenoxy, tolyloxy, dimethylamino, diethylamino, diphenylamino, and triphenylsilyl.

12. (New) An organic electroluminescent device, comprising:

a substrate;

first and second electrodes formed on the substrate; and

a light-emitting layer formed between the first electrode and the second electrode,

the light-emitting layer containing a green luminescent material represented by using a chemical formula 1 as a dopant:

Docket No. **K-0619**

Reply to Office Action of September 20, 2007

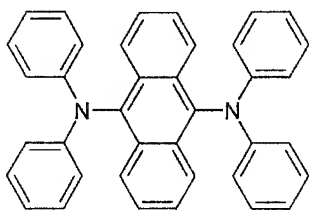
wherein the light-emitting layer further contains a host material represented by a chemical formula 2:

B1-X-B2

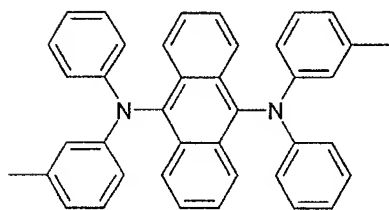
wherein the X is selected from the group consisting of anthracene, and pyrene and B1 and B2 are individually selected from a group consisting of aryl, pyridyl, quinolyl, and isoquinolyl; and

wherein the green luminescent material is at least one of following chemical

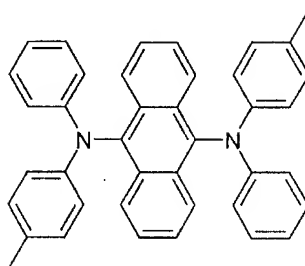
formulas:



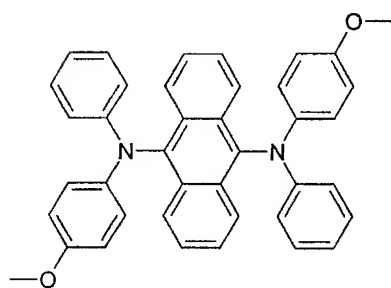
G-2



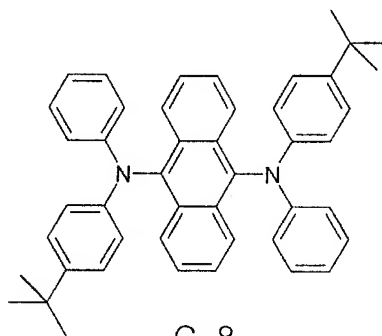
G-3



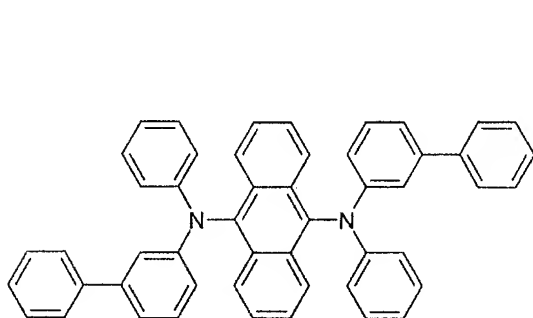
G-4



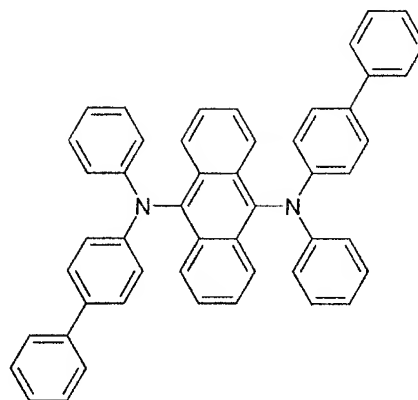
G-7



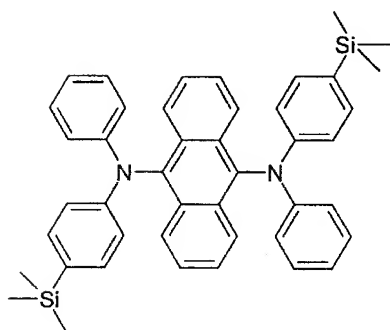
G-8



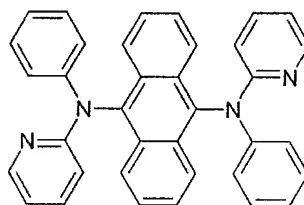
G-10



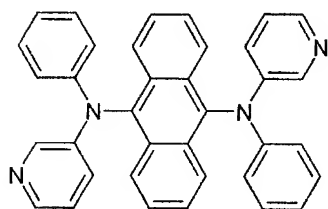
G-11



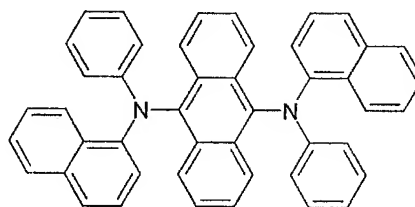
G-13



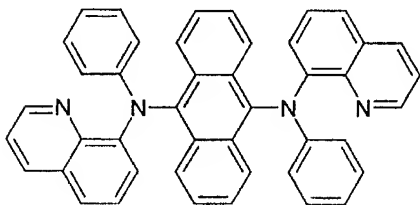
G-14



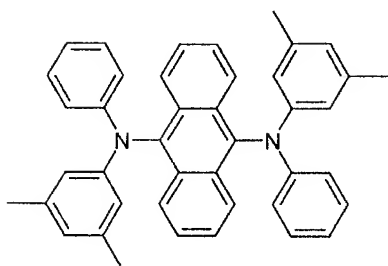
G-15



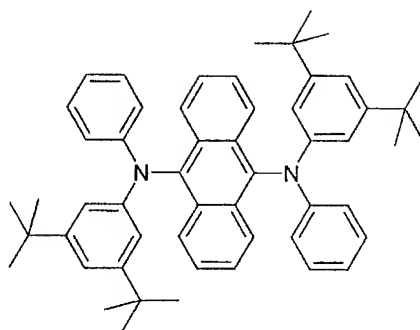
G-16



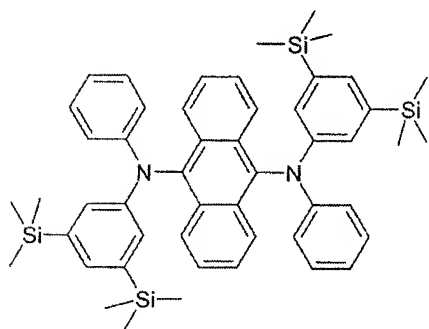
G-18



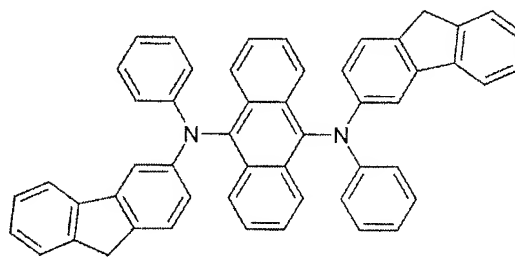
G-19



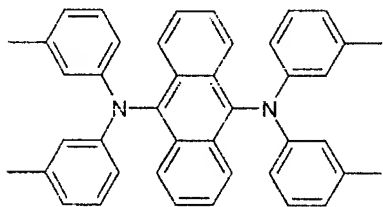
G-20



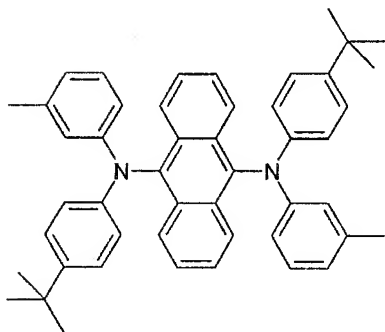
G-21



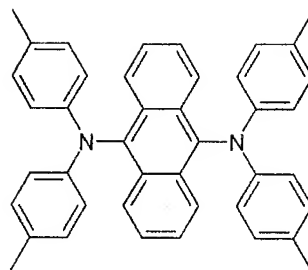
G-22



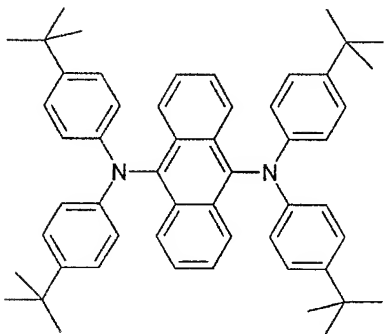
G-24



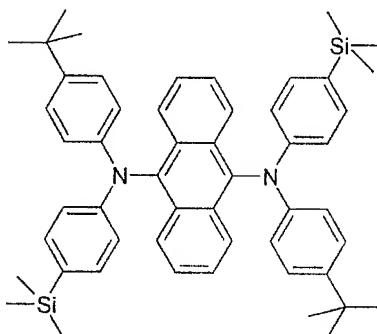
G-25



G-26



G-27



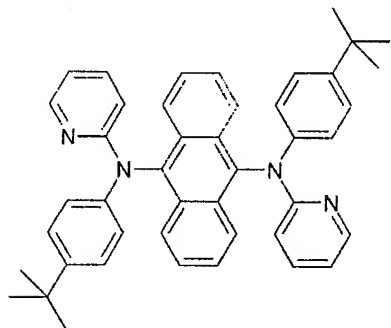
G-28

Serial No. 10/792,130

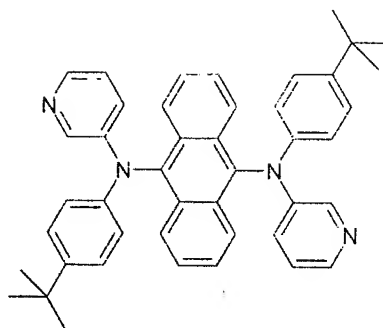
Docket No. K-0619

Amendment dated December 18, 2007

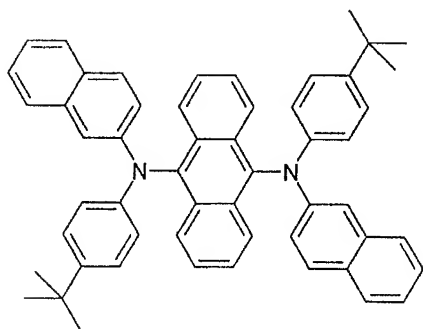
Reply to Office Action of September 20, 2007



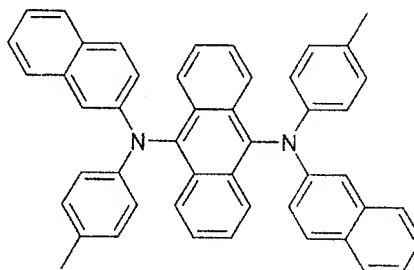
G-29



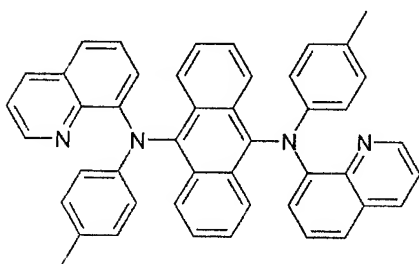
G-30



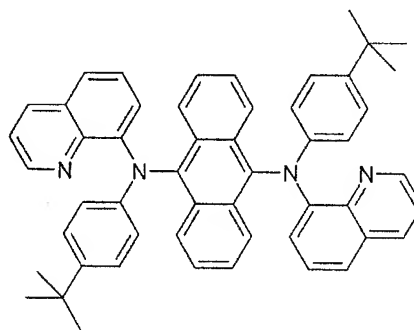
G-31



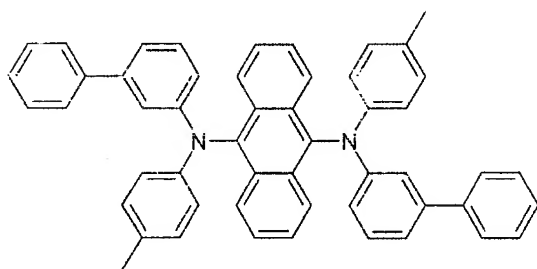
G-32



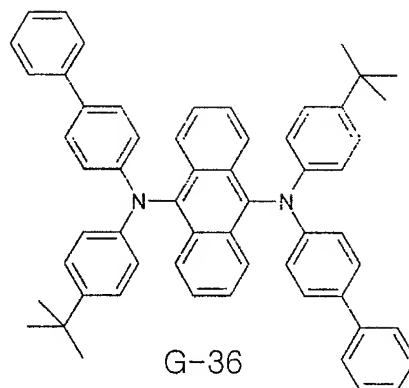
G-33



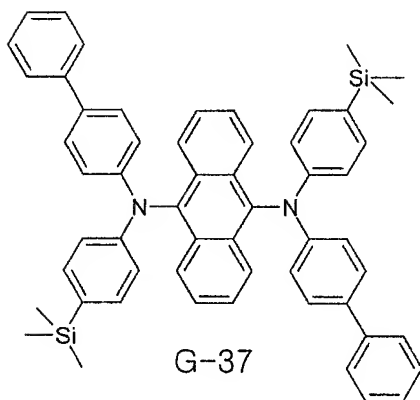
G-34



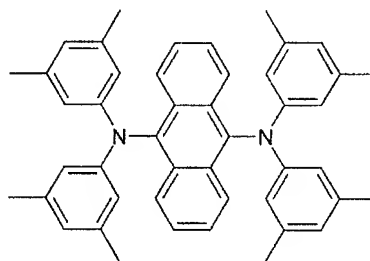
G-35



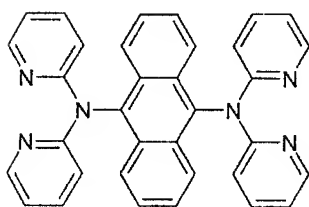
G-36



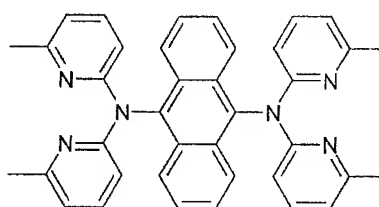
G-37



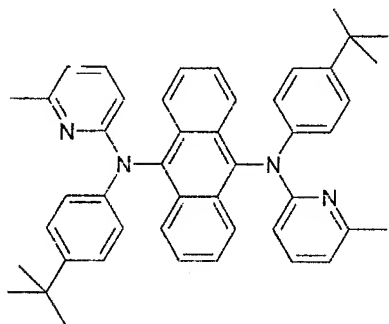
G-38



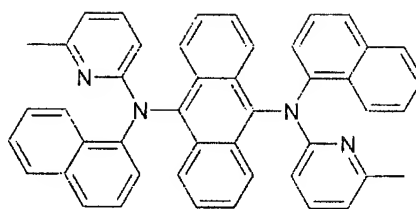
G-39



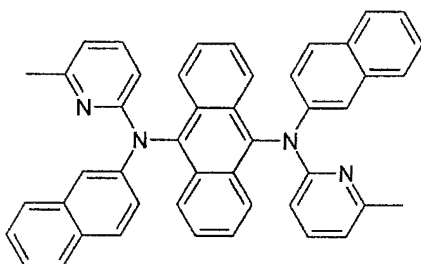
S-40



G-41



G-42



G-43